

Transport Efficiency and Environmental Audit



An average HGV travelling 80,000 miles per annum will currently use around £45,000 of fuel each year. If transport efficiency is increased by only 5% this provides a fuel saving of £2,250 and a 5.85 tonne reduction in CO₂ per vehicle per year. This is looking at fuel alone, if total vehicle and transport costs are considered far greater savings are achieved.

This audit is aimed at identifying these efficiency and environmental opportunities within your transport fleet and providing practical information on the environmental implications of your transport activities.

The audit is broken into three parts. Typically each part consists of a one day programme but the material is always customised to each operation and fleet. An overview of the audit is as follows.

The Audit

Stage 1 - Transport Efficiency and Environmental workshops.

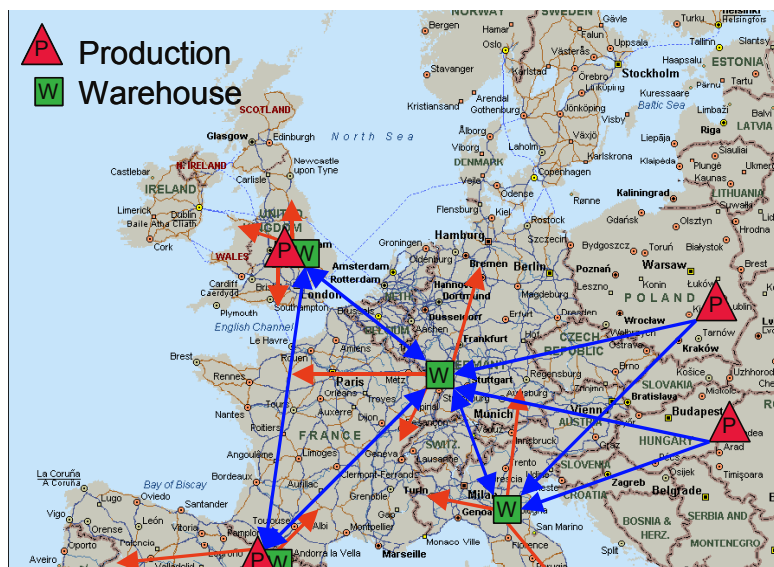
These are split into four sessions that are run over a day.

Session 1 – The implications of transport on Climate Change



This covers the latest reports into transport and climate change such as the “Stern Review” and the “Eddington Transport Study”. It also covers current and likely future Government initiatives on “Road Pricing and Control” and for companies involved with the Food Industry, some information on “Food Miles”. Different transport modes will be discussed and the opportunities to use road, rail, sea and air assessed.

Session 2 – The environmental implications of Supply Chains and Strategies



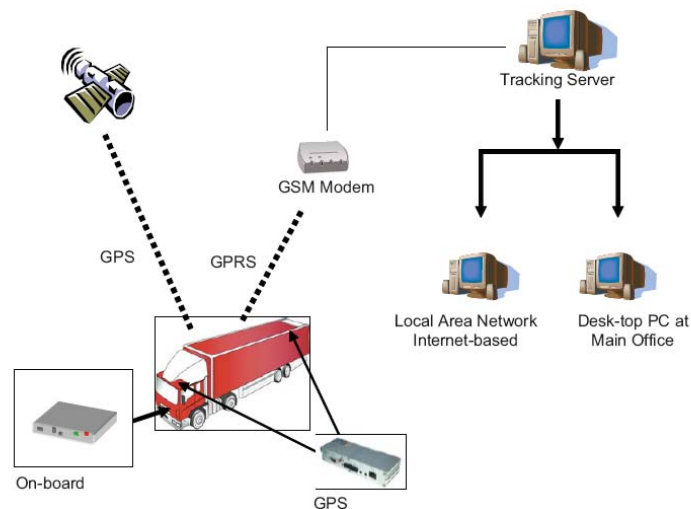
Depending on the audience this session covers trends and developments in industries such as retail, food manufacture, non-food manufacture, automotive and home shopping. It covers areas for improving efficiency such as factory gate pricing, collaborative transport, backhauling opportunities and the areas where outsourcing transport is likely to be most efficient.

Session 3 – Efficiencies and Environmental implications at an operational level



This session deals with the organisational and practical issues involved in managing and running a transport fleet. Subjects include vehicle and route optimisation and planning, Key Performance Indicators such as vehicle fill and empty running, aerodynamics and alternative fuels such as biofuels and electric vehicles.

Session 4 – Practical measures to improve efficiency and reduce environmental effects



Methods of measuring fleet performance will be demonstrated and discussed, as will equipment and systems (telematics) to assist with this. Fuel management, CO₂ emissions and driver training will all be covered along with practical methods of measuring the current status and future performance. Case studies will be given of how other companies have implemented these techniques and the benefits gained.

Each session will be interactive and the discussions and working sessions will be geared to relating the subjects to your particular transport network. These workshops and discussions will be used to refine the content of the next stages of the audit.

Stage 2 – Review of current operations and systems

Working from the information gathered during Stage 1 we will review your current operations from how your supply chain strategy affects your transport network and costs. We will also typically review the planning of transport routes and what equipment and systems are used on your vehicles.

Fuel consumption and CO₂ emissions will be reviewed along with practical measures to make improvements. Driver training is often a key area and again this will be assessed and recommendations made. We will be particularly interested in your KPIs and methods used to collect data and calculate these. Depending on what measurement and recording methods you currently use, within this stage we can also introduce and set up some measurement methods.

Stage 3 – Feedback and reporting

If new measuring methods have been introduced in stage 2, stage 3 can be one week to one month after this. This provides time for data collection. At this point we will include a benchmarking exercise against industry standards and discuss areas where there are differences and where improvements can be made. To ensure the information gathered and recommendations made during the audit are recorded we will produce a short report that will include all presentation material, working sheets, benchmarking and comparisons. This report will be presented to your representatives.

Please contact Jeff Rees on 01527 889060 or jeff.rees@logistics.co.uk to discuss the price of the audit for your transport network.